BRUHAT BANGALORE MAHANAGARA PALIKE

Office Of The Executive Engineer
Electrical Division Dasarahalli Zone
Bruhat Bangalore Mahanagara palike

Approved SCHEDULE - B

Name of the Work:- Maintenance and repair to electrical installation in parks gardens playgrounds and burial grounds current works.

Sl. No.	Qty.	Description of Work	Unit	Rate in Rs.	Rupes in words
1	20	Fabricating, supplying and erecting stepped / welded tubular pole of height 3.5 Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enameled paint of approved quality and colour. and M. S. Base plate of size 150 mm X 150 mmX 6mm thick welded at the bottom of the pole. 32mm dia GI/flexible PVC pipe of 1 mtr length fitted to the existing Polycarbonate box. control box 1 No. of 4 way connector in case of cable looping. The pole shall be erected in cement concrete of (1:3:6) including excavation and refilling and (1;2;4) coping. (Top 0.5 Mtr. X 2" dia, Middle 1 mtr., X 2.5" dia, Bottom 2 mtr., X 3" dia)	Each	3000.00	Rupees Three Thousand Only
2	80	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED	Each	4100.00	Rupees Four Thousand One Hundred Only
3	200	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A. 3 X 25 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr	150.00	Rupees One Hundred and Fifty Only
4	200	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr	10.00	Rupees Ten Only
5	1000	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 4 core 16 sqmm	Per Mtr	100.00	Rupees One Hundred Only
6	250	3.5 core 25 sqmm	Per Mtr	125.00	Rupees One Hundred and Twenty Five Only

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7	1000	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench Gl pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Per Mtr	10.00	Rupees Ten
8	250	b)25sqmm to 75 sqmm	Per Mtr	10.00	Rupees Ten Only
9	700	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB l-2, P-7).a) In soil (ordinary)	Per Mtr	100.00	Rupees One Hundred Only
10	30	Supplying High pressure Sodium Vapour street light luminaire 250Watts suitable for use with high pressure Sodium Vapour lamp with integrated control gear & grey color power coated. The fitting shall be non corrosive pressure die cast aluminum housing with high purity anodized aluminum reflector with EPDM Gaskets suitable for Outer Dia of pole 40mm - 60mm. Cable Entry through a cable gland with toggle clips. IP65 Protection for both optical & Electrical Compartment. Bottom cover may be with Poly carbonate/tempered/ toughened glass. Luminaire efficiency should be >60% & ambient temperature > 35 deg C. High Intensity Discharge Electro Magnetic Ballast with Copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety & IEC 60923 - Performance. Winding Temperature for HID Ballast Tw = 130 deg C & temperature rise ?T = 70 deg C. Luminaire shall be suitable to operate on 230/250 Volts finish including wiring, suitable to operate on 230/250 Volts 50 Hz AC supply finish including wiring, ignitor, condenser. SS Toggles for opening front hingeable glass.	Each	4000.00	Rupees Four Thousand Only
11	110	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	Each	750.00	Rupees Seven Hundred and Fifty Only
12	10	Supplay and Fixing of Mechanical Timer Group A	No	3750	Rupees Three Thousand Seven Hundred and Fifty Only
13	10	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Each	6000.00	Rupees Six Thousand Only
14	33	Supplying and fixing miniature circuit breakes on exisiting MCB distribution boards using necessary fixing materials and wiring complete as required. b) 40-63Amps SPN. Group 'A'	Each	500.00	Rupees Five Hundred Only
15	100	Open Conduit Systeme: Supplying heavy gauge PVC conditpipe,,,,,,,,,, dia confirming to IS 2509 with suitable size bends,junction boxes, adhesibve paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or plug incase of brick walls and cement plastering damaged portionusing heavy gauge saddles at an interval of 700mm using NF screws.c)32mm dia 2.5mm thick	Per Mtr	33.00	Rupees Thirty Three Only

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	100	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Per Mtr	15.00	Rupees Fifteen Only
17	30	Supplying and fixing of Procelain fuse channel with cut out on exisiting wooden/panel using necessary nuts, bolts and washers etc., complete.d) 100 Amps	Each	300.00	Rupees Three Hundred Only
18	30	Supplying and fixing of class A (medium duty) Gl pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. c) 65mm	Per Mtr	350.00	Rupees Three Hundred and Fifty Only
19	250000	Fabricating supplying and mounting MS box made out… SWG suitable lfor floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Sqcm	0.30	Rupees Zero Only Paise Thirty Only
20	10	Supplying…… amps rated 3phase with neutral bus bar using requiemed capacity electrolytic aluminium strips covered with heat shrinkable couloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S. flat frame work in existing panel board. The bus bar shall gave suitable holes for termination of incoming and outgoing cables as per IS specification with necessary botls, nuts and washers etc., complete.b)250Amps 4X30X10mm Alluminium Strips	Per Mtr	200.00	Rupees Two Hundred Only
21	50	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat… with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Per Mtr	15.00	Rupees Fifteen Only
22	10	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with thermal Magnetic/ Microprocessed release and earth fault as per IS-13947(Icu=Ics). Four Pole. 100Amps 25kA.	Each	3000.00	Rupees Three Thousand Only
23	20	Supplying and running of Gl/Copper strips for grounding connections, using necessary fixing materials as required. II Copper Strip. B)25X3mm	Per Mtr	75.00	Rupees Seventy Five Only
24	50	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat… with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Per Mtr	15.00	Rupees Fifteen Only

I am prepared to take up the above work at - the rates quoted in the Schedule 'B'

Contractor Sign
Sri Lakshmi Varadaraja
Electrical Stores
Proprietor

EXECUTIVE ENGINEER (ELEC)
DASARAHLLI ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

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